



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



LOCK AND SECURITY EQUIPMENT (C-28)

Content of the Examination

The Lock and Security Equipment (C-28) Examination is divided into six major sections:

1. Planning and Estimating (26%)

- Plans and specifications
- Job site survey
- System design
- Project and material costs

2. Installation, Repair, and Maintenance of Doors and Hardware (17%)

- Locks, hardware, and closing devices
- Exit devices
- Doors and frames

3. Installation, Repair, and Maintenance of Electronic Locking Systems (17%)

- Wiring
- Locking and operating devices/software
- Controls, surveillance, and accessories

4. Installation, Repair, and Maintenance of Mechanical Locking Systems (24%)

- Lock cylinders
- Key generation
- Lock bypass
- Master key systems

5. Installation, Repair, and Maintenance of Safes, Vaults, Security Containers, and Video Systems (4%)

- Safe installation and repair
- Vaults and other security containers
- Safe deposit locks
- Drilling/penetrating safes
- Installing and repairing video systems

6. Safety (12%)

- Protective gear
- Power tools and equipment
- Safely work in elevated areas

Percentages are approximate

Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk.

Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

Sample Questions

Below are three typical examination questions.
The correct answer is marked with an asterisk (*).

1. Where are automatic flush bolts used?
 - a. In double bypass doors
 - b. In single doors
 - c. In inactive doors*
 - d. In double-acting doors

2. Which pair of hardware finishes are the same?
 - a. 605 and US5
 - b. 606 and US3
 - c. 613 and US10B*
 - d. 626 and US26

3. When selecting a power supply for a job using four 0.75-amp electromagnetic locks, which is the BEST power supply?
 - a. 0.75 amp
 - b. 1.5 amps
 - c. 2.0 amps
 - d. 4.0 amps*

All questions are written and reviewed by licensed contractors who are actively working in the trade

Resources

Publisher information for reference books and code is provided below. Other sources for reference books may be found online.

California code books can be viewed online:
www.dgs.ca.gov/bsc

2019 California Building Code. California Code of Regulations, Title 24. International Code Council.

PHONE: (800) 786-4452
INTERNET: www.iccsafe.org

2019 California Fire Code. California Code of Regulations, Title 24. International Code Council.

PHONE: (800) 786-4452
INTERNET: www.iccsafe.org

Basic Architectural Hardware. Door and Hardware Institute.

PHONE: (202) 367-1134

INTERNET: www.dhi.org

The Complete Book of Locks and Locksmithing. Bill Phillips. McGraw-Hill Professional.

PHONE: (877) 833-5524

INTERNET: www.mhprofessional.com

Keying Systems and Nomenclature. Door and Hardware Institute.

PHONE: (202) 367-1134

INTERNET: www.dhi.org

NFPA 80: Standard for Fire Doors and Other Opening Protectives. National Fire Protection Association.

PHONE: (800) 344-3555

INTERNET: www.nfpa.org

NFPA 101: Life Safety Code. National Fire Protection Association.

PHONE: (800) 344-3555

INTERNET: www.nfpa.org

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2022. California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: www.mancomm.com

VIEW ONLINE:

www.dir.ca.gov/dosh/LawsAndRegulations.htm

Ugly's Electrical References. Jones & Bartlett Learning.

PHONE: (800) 832-0034

INTERNET: www.uglys.net

Publisher information is current as of 2/22